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Please find below and/or attached an Office communication concerning this application or proceeding.

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Office Action Summary	Application No.	Applicant(s)
	10/709,622	NOGAMI, HIROSHI
	Examiner	Art Unit
	Jeffrie R. Lund	1763

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 08 December 2006:
- 2a) This action is **FINAL**. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1 and 3-10 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 1 and 3-10 is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on 18 May 2002 is/are: a) accepted or b) objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. 10/043,190.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

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Attachment(s)

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) Notice of Informal Patent Application
- 6) Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1 and 3-14 are rejected under 35 U.S.C. 103(a) as being obvious over Xu et al, US Patent Application publication 2001/0042512 A1, in view of Kasai et al, US Patent 6,436,193 B1, Mashima et al, JP Patent 10-340858A Long et al, US Patent Application Publication 2003/0079983 A1, and Loan et al, US Patent 6,296,711 B1.

Xu et al teaches: a vacuum vessel 12 separated into two chambers, the first one 15 of the two chambers containing a radio-frequency electrode 20; and the second one 16 of the two chambers containing a substrate support mechanism 17 for mounting a substrate 11 wherein said vacuum vessel is separated by an electrically conductive partitioning section 14. The partitioning section includes: a plurality of through-holes 25 to allow communication between the first chamber and second chamber; an interior space 24 for receiving a reactive gas, the interior space separated from the first chamber and communicating with the second chamber through a plurality of diffusion holes 26; and is mounted to the wall by a fixing part 22 extending into the vacuum vessel. (Entire document)

Xu et al differs from the present invention in that Xu et al does not teach a heater for heating the electrically conducting partition to a specific temperature; the outer

perimeter of the partitioning section is grounded to the inner wall of the vacuum vessel via an electrically conductive mount; or a high temperature electrically conductive spiral shield to achieve electrical contact between the partitioning section and the vacuum vessel.

Kasai et al teaches that showerheads (i.e. conductive partition) can be heated (column 10 lines 12-18).

Mashima et al teaches an outer perimeter of a partitioning section 2 is grounded to the inner wall of the vacuum vessel 6a via an electrically conductive mount. (Figure 1, abstract, and paragraph [0077])

Long et al teaches "a spiral shield comprises an inner rubber seal encircled by a spiral conductor and is a commonly used method to seal areas of the chamber and maintain a good electrical contact". (Paragraph 90 and Figure 18a)

Loan et al teaches a gas supply system (Figure 1A, 1B, column 6 line 45 through column 9 line 24) that includes a vaporizer and a gas supply pipe heated to a temperature approximate the vaporizer (i.e. 200°C or more) (column 8 lines 40-51, column 40 lines 20-25). Loan et al specifically teaches that the elements exposed to high temperatures must be able to withstand the high temperatures including all seals, and that high temperature seals can be made from CHEMRAZ E38, KALNEZ 8101, SAHARA, or DRY seals. (Column 10 line 66 through column 11 line 51)

The motivation for adding a heater to the conductive partition of Xu et al as taught by Kasai et al is to heat the processing gas to the desired temperature prior to the gas entering the processing vessel and to prevent thermal shock of the heated

substrate when it is exposed to processing gas significantly cooler than the heated substrate.

The motivation for heating the conductive partition to a specific temperature is to control the heater and maintain the desired temperature.

The motivation for replacing grounding element 30 of Xu et al by grounding the conductive partition to the sidewall via a conductive mount is to provide an alternate and equivalent means of grounding the conductive mount as taught by Mashima et al.

The motivation for using the electrically conductive spiral shield of Long et al to connect the vacuum vessel and conductive partition of Xu et al is to seal and electrically couple the vacuum vessel and conductive partition as taught by Long et al.

The motivation for replacing the rubber with CHEMRAZ E38, KALNEZ 8101, SAHARA, DRY seal or any other known high temperature sealing material in the spiral shield of Long et al is to enable the spiral shield to be used in high temperature conditions as taught by Loan et al.

Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made to add a heater to the conductive partition of Xu et al to heat the conductive plate to a desired temperature as taught by Kasai et al, ground the conductive partition to the wall of the vacuum vessel via a conductive mount as taught by Mashima et al, use a conductive spiral shield to electrically couple the conductive partition to the vacuum vessel of Xu et al as taught by Long et al, and make the spiral shield out of a material that will withstand the temperatures to which it will be exposed as taught by Loan et al.

Applicant cannot rely upon the foreign priority papers to overcome this rejection (based on 102(a)) because a translation of said papers has not been made of record in accordance with 37 CFR 1.55. See MPEP § 201.15.

Xu et al constitutes prior art under 35 U.S.C. 102(a and e).

3. Claims 1 and 3-14 are rejected under 35 U.S.C. 103(a) as being obvious over Ko, US Patent 6,427,623 B2 in view of Kasai et al, US Patent 6,436,193 B1, Long et al, US Patent Application Publication 2003/0079983 A1, and Loan et al, US Patent 6,296,711 B1.

The applied reference has a common assignee with the instant application. Based upon the earlier effective U.S. filing date of the reference, it constitutes prior art only under 35 U.S.C. 102(e). This rejection under 35 U.S.C. 103(a) might be overcome by: (1) a showing under 37 CFR 1.132 that any invention disclosed but not claimed in the reference was derived from the inventor of this application and is thus not an invention "by another"; (2) a showing of a date of invention for the claimed subject matter of the application which corresponds to subject matter disclosed but not claimed in the reference, prior to the effective U.S. filing date of the reference under 37 CFR 1.131; or (3) an oath or declaration under 37 CFR 1.130 stating that the application and reference are currently owned by the same party and that the inventor named in the application is the prior inventor under 35 U.S.C. 104, together with a terminal disclaimer in accordance with 37 CFR 1.321(c). For applications filed on or after November 29, 1999, this rejection might also be overcome by showing that the subject matter of the reference and the claimed invention were, at the time the invention was made, owned

by the same person or subject to an obligation of assignment to the same person. See MPEP § 706.02(l)(1) and § 706.02(l)(2).

Ko teaches: a vacuum vessel 12 separated into two chambers, the first one 15 of the two chambers containing a radio-frequency electrode 20; and the second one 16 of the two chambers containing a substrate support mechanism 17 for mounting a substrate 11 wherein said vacuum vessel is separated by an electrically conductive partitioning section 14. The partitioning section includes: a plurality of through-holes 25 to allow communication between the first chamber and second chamber; an interior space 24 for receiving a reactive gas, the interior space separated from the first chamber and communicating with the second chamber through a plurality of diffusion holes 26; is grounded to the inner wall of the vacuum vessel 12; and is mounted to the inner wall by a conductive fixing part 22 extending into the vacuum vessel. (Entire document)

Ko differs from the present invention in that Ko does not teach a heater for heating the electrically conducting partition to a specific temperature, or a high temperature electrically conductive spiral shield to achieve electrical contact between the partitioning section and the vacuum vessel.

Kasai et al teaches that showerheads (i.e. conductive partition) can be heated (column 10 lines 12-18).

Long et al teaches "a spiral shield comprises an inner rubber seal encircled by a spiral conductor and is a commonly used method to seal areas of the chamber and maintain a good electrical contact". (Paragraph 90 and Figure 18a)

Loan et al teaches a gas supply system (Figure 1A, 1B, column 6 line 45 through column 9 line 24) that includes a vaporizer and a gas supply pipe heated to a temperature approximate the vaporizer (i.e. 200°C or more) (column 8 lines 40-51, column 40 lines 20-25). Loan et al specifically teaches that the elements exposed to high temperatures must be able to withstand the high temperatures including all seals, and that high temperature seals can be made from CHEMRAZ E38, KALNEZ 8101, SAHARA, or DRY seals. (Column 10 line 66 through column 11 line 51)

The motivation for adding a heater to the conductive partition of Ko as taught by Kasai et al is to control the temperature of the processing gas to prevent condensation of the processing gas or heat the processing gas to the desired temperature prior to the gas entering the processing vessel.

The motivation for heating the conductive partition to a specific temperature is to control the heater and maintain the desired temperature.

The motivation for using the electrically conductive spiral shield of Long et al to connect the vacuum vessel and conductive partition of Ko is to seal and electrically couple the vacuum vessel and conductive partition as taught by Long et al.

The motivation for replacing the rubber with CHEMRAZ E38, KALNEZ 8101, SAHARA, DRY seal or any other known high temperature sealing material in the spiral shield of Long et al is to enable the spiral shield to be use in high temperature conditions as taught by Loan et al.

Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made to add a heater to the conductive partition of Ko to heat the

conductive plate to a desired temperature as taught by Kasai et al, use a conductive spiral shield and screws to electrically couple the conductive partition to the vacuum vessel of Ko as taught by Long et al, and make the spiral shield out of a material that will withstand the temperatures to which it will be exposed as taught by Loan et al.

Applicant cannot rely upon the foreign priority papers to overcome this rejection because a translation of said papers has not been made of record in accordance with 37 CFR 1.55. See MPEP § 201.15.

4. Claims 1 and 3-14 are rejected under 35 U.S.C. 103(a) as being obvious over Tanaka et al, US Patent Application Publication 2002/0152960 A1, in view of Kasai et al, US Patent 6,436,193 B1, Long et al, US Patent Application Publication 2003/0079983 A1, and Loan et al, US Patent 6,296,711 B1.

The applied reference has a common assignee with the instant application. Based upon the earlier effective U.S. filing date of the reference, it constitutes prior art only under 35 U.S.C. 102(e). This rejection under 35 U.S.C. 103(a) might be overcome by: (1) a showing under 37 CFR 1.132 that any invention disclosed but not claimed in the reference was derived from the inventor of this application and is thus not an invention "by another"; (2) a showing of a date of invention for the claimed subject matter of the application which corresponds to subject matter disclosed but not claimed in the reference, prior to the effective U.S. filing date of the reference under 37 CFR 1.131; or (3) an oath or declaration under 37 CFR 1.130 stating that the application and reference are currently owned by the same party and that the inventor named in the application is the prior inventor under 35 U.S.C. 104, together with a terminal disclaimer

in accordance with 37 CFR 1.321(c). For applications filed on or after November 29, 1999, this rejection might also be overcome by showing that the subject matter of the reference and the claimed invention were, at the time the invention was made, owned by the same person or subject to an obligation of assignment to the same person. See MPEP § 706.02(l)(1) and § 706.02(l)(2).

Tanaka et al teaches: a vacuum vessel 22 separated into two chambers, the first one 25 of the two chambers containing a radio-frequency electrode 30; and the second one 26 of the two chambers containing a substrate support mechanism 27 for mounting a substrate 21 wherein said vacuum vessel is separated by an electrically conductive partitioning section 24. The partitioning section includes: a plurality of through-holes 8 to allow communication between the first chamber and second chamber; an interior space 6 for receiving a reactive gas, the interior space separated from the first chamber and communicating with the second chamber through a plurality of diffusion holes 7; is grounded to the inner wall of the vacuum vessel; and is mounted to the inner wall by a conductive fixing part extending into the vacuum vessel. (Entire document)

Tanaka et al differs from the present invention in that Tanaka et al does not teach a heater for heating the electrically conducting partition to a specific temperature, or a high temperature electrically conductive spiral shield to achieve electrical contact between the partitioning section and the vacuum vessel.

Kasai et al teaches that showerheads (i.e. conductive partition) can be heated (column 10 lines 12-18).

Long et al teaches “a spiral shield comprises an inner rubber seal encircled by a

spiral conductor and is a commonly used method to seal areas of the chamber and maintain a good electrical contact", and attaching parts sealed by a spiral shield with screws. (Paragraph 90 and Figure 18a)

Loan et al teaches a gas supply system (Figure 1A, 1B, column 6 line 45 through column 9 line 24) that includes a vaporizer and a gas supply pipe heated to a temperature approximate the vaporizer (i.e. 200°C or more) (column 8 lines 40-51, column 40 lines 20-25). Loan et al specifically teaches that the elements exposed to high temperatures must be able to withstand the high temperatures including all seals, and that high temperature seals can be made from CHEMRAZ E38, KALNEZ 8101, SAHARA, or DRY seals. (Column 10 line 66 through column 11 line 51)

The motivation for adding a heater to the conductive partition of Tanaka et al as taught by Kasai et al is to control the temperature of the processing gas to prevent condensation of the processing gas or heat the processing gas to the desired temperature prior to the gas entering the processing vessel.

The motivation for heating the conductive partition to a specific temperature is to control the heater and maintain the desired temperature.

The motivation for using the electrically conductive spiral shield of Long et al to connect the vacuum vessel and conductive partition of Tanaka et al is to seal and electrically couple the vacuum vessel and conductive partition as taught by Long et al.

The motivation for replacing the rubber with CHEMRAZ E38, KALNEZ 8101, SAHARA, DRY seal or any other known high temperature sealing material in the spiral shield of Long et al is to enable the spiral shield to be use in high temperature

conditions as taught by Loan et al.

Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made to add a heater to the conductive partition of Tanaka et al to heat the conductive plate to a desired temperature as taught by Kasai et al, use a conductive spiral shield and screws to electrically couple the conductive partition to the vacuum vessel of Tanaka et al as taught by Long et al, and make the spiral shield out of a material that will withstand the temperatures to which it will be exposed as taught by Loan et al.

Applicant cannot rely upon the foreign priority papers to overcome this rejection because a translation of said papers has not been made of record in accordance with 37 CFR 1.55. See MPEP § 201.15.

5. Claims 1 and 3-14 are rejected under 35 U.S.C. 103(a) as being obvious over Yuda et al, US Patent 6,663,715 B1, in view of Kasai et al, US Patent 6,436,193 B1, Mashima et al, JP 10-340858 A, Long et al, US Patent Application Publication 2003/0079983 A1, and Loan et al, US Patent 6,296,711 B1.

Yuda et al teaches: a vacuum vessel 1 separated into two chambers, the first one 22 of the two chambers containing a radio-frequency electrode 2; and the second one of the two chambers containing a substrate support mechanism 3 for mounting a substrate 4 wherein said vacuum vessel is separated by an electrically conductive partitioning section 5. The partitioning section includes: a plurality of through-holes 13 to allow communication between the first chamber and second chamber; an interior space 7 for receiving a reactive gas, the interior space separated from the first chamber and

communicating with the second chamber through a plurality of diffusion holes 16; and is mounted to the wall by a fixing part (not shown) extending into the vacuum vessel.

(Entire document)

Yuda et al differs from the present invention in that Yuda et al does not teach a heater for heating the electrically conducting partition to a specific temperature; the outer perimeter of the partitioning section is grounded to the inner wall of the vacuum vessel via an electrically conductive mount; or a high temperature electrically conductive spiral shield to achieve electrical contact between the partition section and the vacuum vessel.

Kasai et.al teaches that showerheads (i.e. conductive partition) can be heated (column 10 lines 12-18).

Mashima et al teaches an outer perimeter of a partitioning section 2 is grounded to the inner wall of the vacuum vessel 6a via an electrically conductive mount. (Figure 1, abstract, and paragraph [0077])

Long et al teaches "a spiral shield comprises an inner rubber seal encircled by a spiral conductor and is a commonly used method to seal areas of the chamber and maintain a good electrical contact", and attaching parts sealed by a spiral shield with screws. (Paragraph 90 and Figure 18a)

Loan et al teaches a gas supply system (Figure 1A, 1B, column 6 line 45 through column 9 line 24) that includes a vaporizer and a gas supply pipe heated to a temperature approximate the vaporizer (i.e. 200°C or more) (column 8 lines 40-51, column 40 lines 20-25). Loan et al specifically teaches that the elements exposed to

high temperatures must be able to withstand the high temperatures including all seals, and that high temperature seals can be made from CHEMRAZ E38, KALNEZ 8101, SAHARA, or DRY seals. (Column 10 line 66 through column 11 line 51)

The motivation for adding a heater to the conductive partition of Yuda et al as taught by Kasai et al is to control the temperature of the processing gas to prevent condensation of the processing gas or heat the processing gas to the desired temperature prior to the gas entering the processing vessel.

The motivation for heating the conductive partition to a specific temperature is to control the heater and maintain the desired temperature.

The motivation for replacing the generic grounding means of Yuda et al by grounding the conductive partition to the sidewall via a conductive mount is to provide a specific means of grounding the conductive mount as taught by Mashima et al.

The motivation for using the electrically conductive spiral shield of Long et al to connect the vacuum vessel and conductive partition of Yuda et al is to seal and electrically couple the vacuum vessel and conductive partition as taught by Long et al.

The motivation for replacing the rubber with CHEMRAZ E38, KALNEZ 8101, SAHARA, DRY seal or any other known high temperature sealing material in the spiral shield of Long et al is to enable the spiral shield to be used in high temperature conditions as taught by Loan et al.

Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made to add a heater to the conductive partition of Yuda et al to heat the conductive plate to a desired temperature as taught by Kasai et al, ground the

conductive partition to the wall of the vacuum vessel via a conductive mount as taught by Mashima et al, use a conductive spiral shield and screws to electrically couple the conductive partition to the vacuum vessel of Yuda et al as taught by Long et al, and make the spiral shield out of a material that will withstand the temperatures to which it will be exposed as taught by Loan et al.

Double Patenting

6. The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. See *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and, *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent is shown to be commonly owned with this application. See 37 CFR 1.130(b).

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

7. Claims 1 and 3-14 are rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1-6 of U.S. Patent No. 6,427,623 B2 (Ko), in view of Kasai et al, US Patent 6,436,193 B1, Long et al, US Patent Application Publication 2003/0079983 A1, and Loan et al, US Patent 6,296,711 B1. The obvious rejection of Ko in view of Kasai et al, Long et al, and Loan et al is discussed above.

8. Claims 1 and 3-14 are rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1-6 of U.S.

Patent No. 6,892,669 B2 (Xu), in view of Kasai et al, US Patent 6,436,193 B1, Mashima et al, JP 10-340858, Long et al, US Patent Application Publication 2003/0079983 A1, and Loan et al, US Patent 6,296,711 B1. The obvious rejection of Xu in view of Kasai et al, Long et al, and Loan et al is discussed above.

9. Claims 1 are 3-14 are provisionally rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1-21 of copending Application No. 09/862,458 (Tanaka et al) in view of Kasai et al, US Patent 6,436,193 B1, Long et al, US Patent Application Publication 2003/0079983 A1, and Loan et al, US Patent 6,296,711 B1. The obvious rejection of Tanaka et al in view of Kasai et al, Long et al, and Loan et al is discussed above.

This is a provisional obviousness-type double patenting rejection.

Response to Arguments

10. The obvious double patenting rejection of the claims under Nogami, US Patent 6,245,396 B1, has been dropped. Based on the arguments directed to Xu et al, specifically, that the partitioning plate is secured to the walls via an insulating part, the Examiner has reviewed the rejections and determined that the partitioning plate of Nogami is secured to the walls via an insulating part and that the walls are not grounded (only the substrate holder is grounded). Therefore, the obvious double patenting rejection of the claims under Nogami has been dropped.

11. Applicant's arguments filed December 8, 2006 have been fully considered but they are not persuasive.

In regard to the Ko et al and Tanaka et al not being prior art, the Applicant must show common ownership at the time of the invention. Section 103(c) specifically states:

"Subject matter developed by another person, which qualifies as prior art only under one or more of subsections (e), (f), and (g) of section 102 of this title, shall not preclude patentability under this section where the subject matter and the claimed invention were, at the time the claimed invention was made, owned by the same person or subject to an obligation of assignment to the same person."

In the statement of ownership made by the Applicant, the Applicant did not claim that "at the time the claimed invention was made" the present invention and Ko et al, and the present invention and Tanaka et al were "owned by the same person or subject to an obligation of assignment to the same person". The Applicant must state that that the present application and Ko et al; and the present application and Tanaka et al, at the time the claimed invention was made, were assigned to the same entity, Anelva Corporation.

12. Applicant's arguments with respect to claims 1 and 3-14 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

13. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The cited references teach the background in the art.

14. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

15. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jeffrie R. Lund whose telephone number is (571) 272-1437. The examiner can normally be reached on Monday-Thursday (10:00 am - 9:00 pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Parviz Hassanzadeh can be reached on 123-456-7890. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic

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Business Center (EBC) at 866-217-9197 (toll-free).



Jeffrie R. Lund
Primary Examiner
Art Unit 1763

JRL
3/3/07